

**FORM  
2A**Rev  
04/01State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



DE ET OE ES

Document Number:

2063089

**Oil and Gas Location Assessment**☒ New Location ☐ Amend Existing Location Location#: \_\_\_\_\_

Submit original plus one copy. This form is to be submitted to the COGCC prior to any ground disturbance activity associated with oil and gas development operations. This Assessment may be approved as a stand alone application or submitted as an informational report accompanying an Application for Permit-To-Drill, Form 2. Approval of this Assessment will allow for the construction of the below specified location; however, it does not supersede any land use rules applied by the local land use authority. This form may serve as notice to land owners and other interested parties, please see the COGCC web site at <http://colorado.gov/cogcc/> for all accompanying information pertinent to this Oil and Gas Location Assessment.

Location ID:

**412676**☒ This location assessment is included as part of a permit application.**1. CONSULTATION**

- ☐ This location is included in a Comprehensive Drilling Plan. CDP # 2028
- ☒ This location is in a sensitive wildlife habitat area.
- ☐ This location is in a wildlife restricted surface occupancy area.
- ☐ This location includes a Rule 306.d.(1)A.ii. variance request.

**2. Operator**

Operator Number: 10101

Name: ORION ENERGY PARTNERS LP

Address: 1675 BROADWAY STE 2000

City: DENVER State: CO Zip: 80202

**3. Contact Information**

Name: STEVE HAHN

Phone: (303) 595-3030

Fax: (303) 595-3043

email: SHAHN@ORIONEP.COM

**4. Location Identification:**

Name: Jolley Number: 8-1

County: GARFIELD

QuarterQuarter: NESE Section: 8 Township: 6S Range: 91W Meridian: 6 Ground Elevation: 6555

Define a single point as a location reference for the facility location. This point should be used as the point of measurement in the drawings to be submitted with this application. When the location is to be used as a well site then the point shall be a well location.

Footage at surface: 2410 feet, from North or South section line: FSL and 907 feet, from East or West section line: FEL

Latitude: 39.541716 Longitude: -107.572606 PDOP Reading: 2.0 Date of Measurement: 04/29/2008

**5. Facilities (Indicate the number of each type of oil and gas facility planned on location):**

Special Purpose Pits: <input type="text"/>	Drilling Pits: <input type="text" value="1"/>	Wells: <input type="text" value="17"/>	Production Pits: <input type="text"/>	Dehydrator Units: <input type="text" value="2"/>
Condensate Tanks: <input type="text"/>	Water Tanks: <input type="text" value="5"/>	Sparators: <input type="text" value="16"/>	Electric Motors: <input type="text"/>	Multi-Well Pits: <input type="text" value="1"/>
Gas or Diesel Motors: <input type="text"/>	Cavity Pumps: <input type="text"/>	LACT Unit: <input type="text"/>	Pump Jacks: <input type="text"/>	Pigging Station: <input type="text"/>
Electric Generators: <input type="text"/>	Gas Pipeline: <input type="text" value="1"/>	Oil Pipeline: <input type="text"/>	Water Pipeline: <input type="text" value="1"/>	Flare: <input type="text" value="1"/>
Gas Compressors: <input type="text"/>	VOC Combustor: <input type="text"/>	Oil Tanks: <input type="text" value="4"/>	Fuel Tanks: <input type="text"/>	

Other: \*WATER TANKS 5-500 BBL TANKS. \*FLARE WHILE DRILLING

6. Construction:

Date planned to commence construction: 05/01/2009 Size of disturbed area during construction in acres: 4.00  
Estimated date that interim reclamation will begin: 11/01/2010 Size of location after interim reclamation in acres: 1.52  
Estimated post-construction ground elevation: 6555 Will a closed loop system be used for drilling fluids: Yes ☒  
Will salt sections be encountered during drilling: Yes ☐ No ☒ Is H2S anticipated? Yes ☐ No ☒  
Will salt (>15,000 ppm TDS Cl) or oil based muds be used: Yes ☐ No ☒  
Mud disposal: Offsite ☐ Onsite ☒ Method: Land Farming ☒ Land Spreading ☐ Disposal Facility ☐  
Other: \_\_\_\_\_

7. Surface Owner:

Name: \_\_\_\_\_ Phone: \_\_\_\_\_  
Address: \_\_\_\_\_ Fax: \_\_\_\_\_  
Address: \_\_\_\_\_ Email: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Date of Rule 306 surface owner consultation: 03/24/2009  
Surface Owner: ☒ Fee ☐ State ☐ Federal ☐ Indian  
Mineral Owner: ☒ Fee ☐ State ☐ Federal ☐ Indian  
The surface owner is: ☒ the mineral owner ☒ committed to an oil and gas lease  
☐ is the executor of the oil and gas lease ☐ the applicant  
The right to construct the location is granted by: ☐ oil and gas lease ☒ Surface Use Agreement ☐ Right of Way  
☐ applicant is owner  
Surface damage assurance if no agreement is in place: ☐ \$2000 ☐ \$5000 ☐ Blanket Surety ID \_\_\_\_\_

8. Reclamation Financial Assurance:

☒ Well Surety ID: 20060108 ☐ Gas Facility Surety ID: \_\_\_\_\_ ☐ Waste Mgmt. Surety ID: \_\_\_\_\_

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes ☐ No ☒  
Distance, in feet, to nearest building: 2548 , public road: 2672 , above ground utilit: 2669  
 , railroad: 4980 , property line: 282

10. Current Land Use (Check all that apply):

Crop Land: ☐ Irrigated ☐ Dry land ☐ Improved Pasture ☐ Hay Meadow ☐ CRP  
Non-Crop Land: ☒ Rangeland ☐ Timber ☐ Recreational ☐ Other (describe): \_\_\_\_\_  
Subdivided: ☐ Industrial ☐ Commercial ☐ Residential

11. Future Land Use (Check all that apply):

Crop Land: ☐ Irrigated ☐ Dry land ☐ Improved Pasture ☐ Hay Meadow ☐ CRP  
Non-Crop Land: ☒ Rangeland ☐ Timber ☐ Recreational ☐ Other (describe): \_\_\_\_\_  
Subdivided: ☐ Industrial ☐ Commercial ☐ Residential

12. Soils:

List all soil map units that occur within the proposed location. Attach the National Resource Conservation Service (NRCS) report showing the "Map Unit Description" report listing the soil typical vertical profile. This data is to be used when segregating topsoil.

The required information can be obtained from the NRCS web site at <http://soildatamart.nrcs.usda.gov/> or from the COGCC web site GIS Online map page found at <http://colorado.gov/cogcc>. Instructions are provided within the COGCC web site help section.

NRCS Map Unit Name: COGCC MAP #44 - MORVAL LOAM

NRCS Map Unit Name: \_\_\_\_\_

NRCS Map Unit Name: \_\_\_\_\_

### 13. Plant Community:

Complete this section only if any portion of the disturbed area of the location's current land use is on non-crop land.

Are noxious weeds present: Yes ☐ No ☒

Plant species from: ☐ NRCS or, ☒ field observation Date of observation: 04/29/2008

List individual species: GAMBLE OAK (QUERUS GAMBELI), MOUNTAIN MAHOGANY (CERCOCARPUS MONTANUS) AND NATIVE GRASSES

Check all plant communities that exist in the disturbed area.

- ☐ Disturbed Grassland (Cactus, Yucca, Cheatgrass, Rye)  
☒ Native Grassland (Bluestern, Grama, Wheatgrass, Buffalograss, Fescue, Oatgrass, Brome)  
☒ Shrub Land (Mahogany, Oak, Sage, Serviceberry, Chokecherry)  
☐ Plains Riparian (Cottonwood, Willow, Aspen, Maple, Poplar, Russian Olive, Tamarisk)  
☐ Mountain Riparian (Cottonwood, Willow, Blue Spruce)  
☐ Forest Land (Spruce, Fir, Ponderosa Pine, Lodgepole Pine, Juniper, Pinyon, Aspen)  
☐ Wetlands Aquatic (Bullrush, Sedge, Cattail, Arrowhead)  
☐ Alpine (above timberline)  
☐ Other (describe): \_\_\_\_\_

### 14. Water Resources:

Rule 901.e. may require a sensitive area determination be performed. If this determination is performed the data is to be submitted with the Form 2A.

Is this a sensitive area: ☒ No ☐ Yes Was a Rule 901.e. Sensitive Areas Determination performed: ☒ No ☐ Yes

Distance (in feet) to nearest surface water: 2860, water well: 2541, depth to ground water: 145

Is the location in a riparian area: ☒ No ☐ Yes Was an Army Corps of Engineers Section 404 permit filed ☒ No ☐ Yes

Is the location within a Rule 317B Surface Water Suppl Area buffer zone:

☐ No ☐ 0-300 ft. zone ☐ 301-500 ft. zone ☐ 501-2640 ft. zone

If the location is within a Rule 317B Surface Water Supply Area buffer have all public water supply systems within 15 miles been notified: ☒ No ☐ Yes

### 15. Comments:

WELL PAD WITHIN SENSITIVE WILDLIFE HABITAT AREA. MORE SPECIFICALLY: MULE DEER & ELK WINTER CONCENTRATION AREA. REFERENCE AREA PHOTOS TO BE PROVIDED SUMMER 2009.

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

Signed: \_\_\_\_\_ Date: 04/30/2009 Email: SHAHN@ORIONEP.COM

Print Name: Brookshc Title: \_\_\_\_\_

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: \_\_\_\_\_

*David S. Neslin*

Director of COGCC

Date: 7/20/2009

### **Condition of Approval**

Comment	User Name	Comment Date
Agency		
If constructed, proposed water impoundment shall be used for fresh water only, as noted in document 01813654.		05/29/2009
If constructed, pits shall be lined. Pits shall be permitted in accordance with COGCC Rules.	lindblo	07/01/2009
Operator shall implement BMP's as detailed in attached documents 01813349, 01408954, 01813350, and 01813869.	lindblo	07/01/2009

### **Attachment Check List**

Att Doc Num	Name	Doc Description	Op. Check	File Size
1408954	CORRESPONDENCE	LF@2083427 1408954	Y	
1408957	HYDROLOGY MAP	LF@2091501 1408957	Y	
1710435	LOCATION PICTURES	LF@2044002 1710435	Y	
1710436	LOCATION PICTURES	LF@2044000 1710436	Y	
1710437	REFERENCE AREA MAP	LF@2044004 1710437	Y	
1710438	NRCS MAP UNIT DESC	LF@2043997 1710438	Y	
1710439	PROPOSED BMPs	LF@2043999 1710439	Y	
1710441	LOCATION DRAWING	LF@2043996 1710441	Y	
1710442	HYDROLOGY MAP	LF@2044003 1710442	Y	
1813349	CONST. LAYOUT DRAWINGS	LF@2053262 1813349	Y	
1813350	MULTI-WELL PLAN	LF@2053260 1813350	Y	
1813654	CORRESPONDENCE	LF@2060841 1813654	Y	
1813655	CORRESPONDENCE	LF@2060843 1813655	Y	
1813846	CORRESPONDENCE	LF@2090212 1813846	Y	
1813869	PROPOSED BMPs	LF@2094179 1813869	Y	
2063089	FORM 2A	LF@2039313 2063089	Y	
2063090	ACCESS ROAD MAP	LF@2039314 2063090	Y	
2063094	CONST. LAYOUT DRAWINGS	LF@2043998 2063094	Y	
2063096	MULTI-WELL PLAN	LF@2039319 2063096	Y	
2063097	LOCATION DRAWING	LF@2052827 2063097	Y	

Total Attach: 20 Files